Evita 4
Technical Service Bulletin # 9

Re: **Retrofitting a wire jumper on Power PCB of the CO2 measurement**

Update: May 22, 2000

Reference Doc: IDM no. 9 / 06.96

Reason: Sporadic drop out of zero calibration of the CO2 sensor, which results in an offset of the CO2 measured value by approximately 0.3 Vol. %. Cause: Circuit design on the Power PCB of the CO2 measurement.

Solution: Bypass the resistor R20 on the Power PCB with the P/N / revision level 83 50 411 - 1.3 with a wire jumper.

Devices affected: A total of 47 Evita 4 units equipped with Power PCB P/N 83 50 411 - 1.3 with the following serial numbers shipped prior to May 1996.

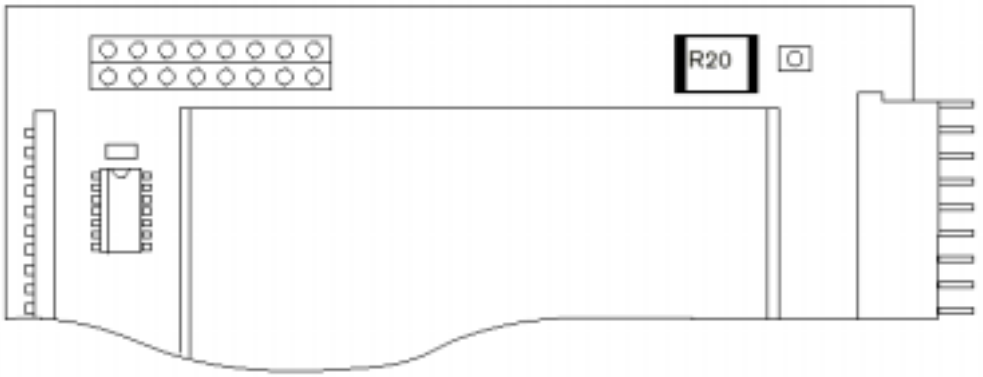
ARKB - 0002, 0004, 0005, 0006, 0008, 0009, 0010, 0011, 0012, 0013, 0014, 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0024, 0025, 0026, 0027, 0028, 0030, 0031, 0032, 0033, 0034, 0035, 0036, 0038, 0039, 0041

ARKD - 0001, 0002, 0003, 0005, 0006, 0012, 0013, 0014, 0016, 0018, 0019, 0020, 0022.

When: At next Service Call or Preventive Maintenance. This action was to be completed by October 1996. Please verify that all units have been updated.

Additional Info: Retrofitting instructions:

- Switch the unit off.
- Observe anti-static precautions.
- Remove Power PCB. The Power PCB is located on the CO2 Carrier PCB (bottom slot on the electronics assembly).
- Jumper the resistor R20 using a wire jumper with a minimum diameter of 0.5 mm. Do not de-solder the resistor R20.



- Increase the revision level of the Power PCB to 83 50 411 - 1.4.
- Reassemble the unit and perform the following tests:
  - Electrical safety test
  - Connect CO2 sensor
  - Switch the unit on and allow it to warm up for at least 3 minutes.
  - Check whether the CO2 curve is displayed while the CO2 monitoring is on.
  - Device check in standby.

Cost: Covered by Customer, post warranty.

Ordering Info: N/A

Distribution: Dräger Service Personnel and Authorized Service Organizations for CCS products.

If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-721-5789

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